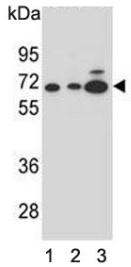
# Alpha-amylase 2B Antibody / AMY2B (F54556)

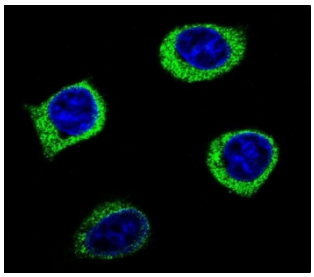
| Catalog No. | Formulation | Size |
|---|---|---|
| F54556-0.4ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml |
| F54556-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

**Bulk quote request**

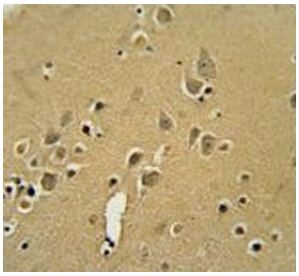
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit Ig |
| **Purity** | Antigen affinity purified |
| **UniProt** | P19961 |
| **Localization** | Cytoplasmic |
| **Applications** | Immunofluorescence: 1:25<br>Flow cytometry: 1:25 (1x10e6 cells)<br>Immunohistochemistry (FFPE): 1:25<br>Western blot: 1:500-1:2000 |
| **Limitations** | This Alpha-amylase 2B antibody is available for research use only. |



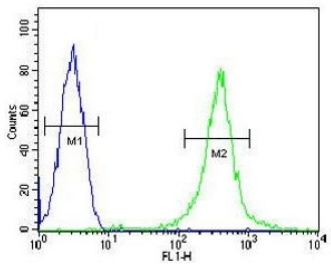

Western blot testing of human 1) HL60, 2) CEM and 3) K562 cell lysate with Alpha-amylase 2B antibody. Predicted molecular weight ~57 kDa.



Immunofluorescent staining of human HEK293 cells with Alpha-amylase 2B antibody (green) and DAPI nuclear stain (blue).



IHC testing of FFPE human brain tissue with Alpha-amylase 2B antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.




Flow cytometry testing of human CEM cells with Alpha-amylase 2B antibody; Blue=isotype control, Green= Alpha-amylase 2B antibody.

## Description

Amylases are secreted proteins that hydrolyze 1,4-alpha-glucoside bonds in oligosaccharides and polysaccharides, and thus catalyze the first step in digestion of dietary starch and glycogen. The human genome has a cluster of several amylase genes that are expressed at high levels in either salivary gland or pancreas. This gene encodes an amylase isoenzyme produced by the pancreas.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the Alpha-amylase 2B antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 74-100 from the human protein was used as the immunogen for the Alpha-amylase 2B antibody.

## Storage

Aliquot the Alpha-amylase 2B antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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